QuickSpecs

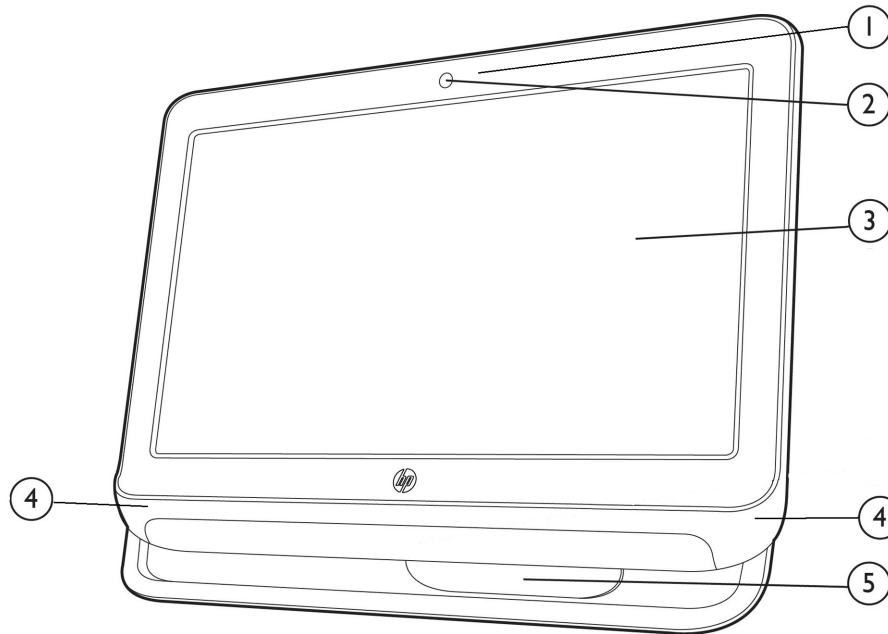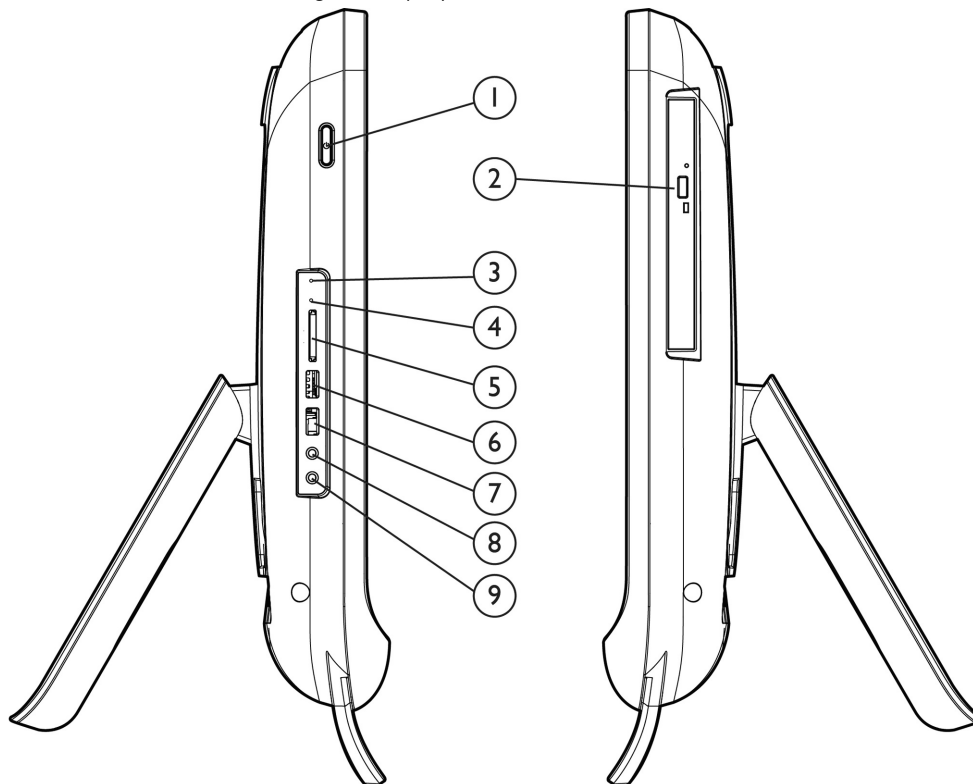*Overview*
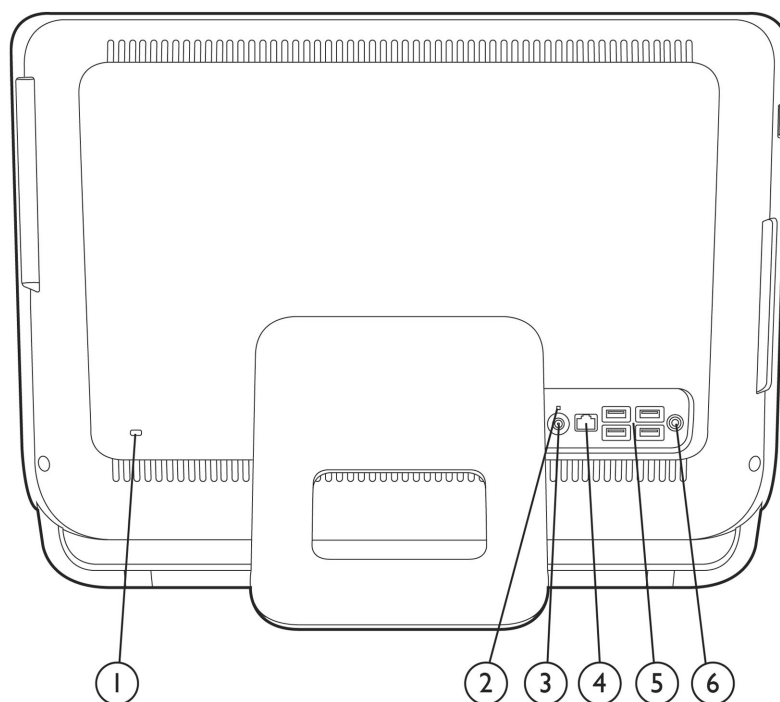

1. Dual microphone array
2. Integrated low-light webcam
3. 20-inch diagonal widescreen LED HD+ anti-glare display
4. Stereo speakers
5. Adjustable tilt stand

QuickSpecs

HP Pro 3420 All-in-One PC

Overview

1. Power Button
2. Optical Disk Drive
3. Hard Disk Drive LED Indicator
4. Media Care Reader LED Indicator
5. 6-in-1 Media Card Reader

6. USB 2.0 port
7. USB 2.0 port
8. Microphone port
9. Headphone port

1. Lock slot
2. Power Connector LED Indicator
3. Power Connector

4. RJ 45 Ethernet port
5. 4 USB 2.0 ports
6. Line out port

QuickSpecs

Overview

At A Glance

- Genuine Windows® 7 Home Basic, Genuine Windows 7 Professional, RedFlag Linux or FreeDOS
- Intel® 2nd Generation Core™ i3, Intel Pentium Processors, and Intel Celeron Dual Core
- 20-inch diagonal widescreen LED HD+ anti-glare display (non-touch)
- Integrated All-in-One form factor
- Adjustable tilt stand
- Intel H61Chipset
- Integrated Intel HD Graphics or Integrated Intel HD 2000/3000 Graphic based on processor, Microsoft DirectX 10.1 capable
- Integrated Realtek RTL8111E 10/100/1000 Ethernet controller
- Integrated low-light webcam; stereo speakers
- Wireless connectivity:
    - HP Wireless NIC 802.11b/g/n Mini Card (optional)
- Up to 8GB of DDR3 SDRAM supported, dual channel memory support
- Up to 1 TB hard drive
- HP Slim SATA 8X SuperMulti Drive (standard)
- 6-in-1 Media Card Reader
- USB Keyboard and Mouse
- ENERGY STAR® (for Windows OS only)
- EPEAT registered where applicable/supported*
- BFR/PVC Free**
- Protected by HP Services. Terms and conditions vary by country. Certain restrictions and exclusions apply.

* See www.epeat.net for registration status by country.

** Meeting the industry definition of 'BFR/PVC-free' per the iNEMI Position Statement on "Low Halogen" Electronics. Plastic parts incorporated into the chassis generally contain < 1000 ppm (0.1%) of bromine or chlorine. Printed circuit board and substrate laminates generally contain < 1500 ppm (0.15%) of total bromine and chlorine. Service parts after purchase may not be BFR/PVC-free. External accessories, including power supplies, power cords, and peripherals are not BFR/PVC-free.

QuickSpecs

Standard Features

Processors (Availability depends on model; list is subject to change)	Intel 2nd Generation Core i3 Processors: Intel Core i3-2100 Processor (3.1 GHz, 3 MB cache, 2 Cores/4 Threads, HD Graphics 2000) Intel Core i3-2105 Processor (3.1 GHz, 3 MB cache, 2 Cores/4 Threads, HD Graphics 3000) Intel Core i3-2120 Processor (3.3 GHz, 3 MB cache, 2 Cores/4 Threads, HD Graphics 2000) **Intel Pentium:** Intel Pentium G620 Processor (2.6 GHz, 3 MB L3 cache, 2 cores) Intel Pentium G840 Processor (2.8 GHz, 3 MB L3 cache, 2 cores) Intel Pentium G850 Processor (2.9 GHz, 3 MB L3 cache, 2 cores) **Intel Celeron Dual Core:** Intel Celeron G540 Processor (2.5-GHz, 2 MB L3 cache, 2 cores) NOTE: Intel processor numbers are not a measure of performance. Processor numbers differentiate features within each processor family, not across different processor families.

Operating System	**Preinstalled**	Genuine Windows® 7 Home Basic (64-bit)* Genuine Windows 7 Professional (32-bit and 64-bit)* RedFlag Linux FreeDOS
		* System may require upgraded and/or separately purchased hardware and/or a DVD drive to install the Windows 7 software and take full advantage of Windows 7 functionality. See: http://www.microsoft.com/windows/windows-7/ for details.

Chipset	Intel H61

Graphics	Integrated Intel HD Graphics 2000 or 3000 depending on processor or Integrated Intel HD Graphics
	    Shared system memory
	    DirectX 10 capable

Display	20-inch diagonal widescreen HD+ (900p) WLED anti-glare display	
	Maximum Resolution	1600 x 900 resolution (16:9)
	Contrast ratio	1000:1 typical
	Image brightness	250 nits typical
	Refresh rate	5ms
	Viewing angle (typical)	Up to 160° horizontal/160° vertical (10:1 minimum contract ratio)

Adjustable Tilt Stand	Tilt adjustments

Standard Features

Memory	Standard	PC3-10600 DDR3 1333-MHz non-ECC SDRAM Two 200-pin SODIMM slots supporting dual channel memory 1 GB (1 GB x 1) 2 GB (1 x 2 GB) 2 GB (2 x 1 GB) 4 GB (1 x 4 GB) 4 GB (2 x 2 GB) 6 GB (1 x 2 GB + 1 x 4 GB) 8 GB (2 x 4 GB)
	Dual-channel	Maximized dual-channel performance requires SODIMMs of the same size and speed in both memory slots.

NOTE: Full availability of 4 GB or more of memory requires a 64-bit operating system. With Windows 32-bit operating systems, the amount of usable memory is dependent upon your configuration, so that above 3 GB all memory may not be available due to system resource requirements.

Communications		Integrated Realtek RTL8111E 10/100/1000 Ethernet controller
	HP 802.11 PCIe Minicard Wireless Module	Support for 802.11 b, g, and n Up to 300 mbps data rate Built-in antennas (1 transmit, 1 receive)

IO Devices	HP USB Standard Keyboard	104 keys plus special keys for Mute, Volume Up, Volume Down. Separate numeric keypad. Cable length 51 in (130 cm)
	HP USB Optical Scroll Mouse	Two buttons with scroll wheel acting as third button. Cable length 69 in (175 cm)
	HP Wireless Keyboard and Mouse	104 keys plus special keys for Mute, Volume Up, Volume Down. Separate numeric keypad. Two buttons with scroll wheel acting as third button.

Storage	Hard Drive	3.5-inch, 7200 rpm, Smart IV SATA NCQ Hard Drive:
		    250 GB
		    500 GB
		    750 GB
		    1 TB

	Slim Optical Drive	Tray-load HP Slim SATA 8X SuperMulti Drive
		    Read: 8x max DVD-ROM, 24x max CD-ROM
		    Write: 8x max DVD±R, 6x max DVD±R DL, 8x max DVD+RW,
		    6x max DVD-RW, 5x max DVD-RAM, 24x max CD-R,
		    24x max CD-RW

I/O Slots	Half Height Mini PCIe x1	One (For Wireless LAN module)

Standard Features

Interfaces	6-in-1 Media Card Reader	Supports Secure Digital (SD, SDHC), MultiMedia Card (MMC), xD-Picture Card, Memory Stick, Memory Stick Pro
	USB 2.0	Six (2 Left side, 4 Rear)
	Stereo audio headphone jack	One (Left side)
	Microphone jack	One (Left side)
	Stereo audio line out	One (Rear)
	Power connector	One (Rear)
	RJ-45/Ethernet	One (Rear)

Audio/Visual	Integrated Audio card
	Integrated high-performance stereo speakers
	Volume control and mute buttons (on keyboard)
	Stereo headphone jack
	Stereo line out
	Integrated 0.3Mp VGA low-light webcam (640 x 480) with two built-in microphones

Software	Preinstalled software (varies by country)	Microsoft Office 2010 Starter Preloaded(purchase of a Product Key required to activate a full Office 2010 suite)*
		Microsoft Windows Virtual PC - XP
		Cyberlink PowerDVD
		Cyberlink Label Print
		Cyberlink Power 2 Go
		Cyberlink YouCam BE
		PDF Complete Special Edition
		HP SimplePass PE 2011
		Norton Internet Security (60 day)*
		HP Power Assistant
		HP Recovery Manager
		HP Vision Hardware Diagnostics
		HP Support Assistant (HPSA) Authentec SimplePass PE (to support Intel One Time Password)**
	Additional software available on optical disk	HP Virtual Rooms (up to 3 people per meeting)
	Optional software (varies by country)	HP ProtectTools Security Suite for SMB

* 60 day trial period for Norton Internet Security. Internet access required to receive updates. First update included. Subscription required for updates thereafter.
** Available on Intel Core i3 CPUs (not Pentium)

SMBIOS	System Management BIOS, previously known as DMI BIOS, is used to store system management information.

Security	Lock slot
	Optional HP ProtectTools Security Software Suite

Standard Features

Power Supply	External 87% efficient 120W power adapter 120-watt 18.5V/6.5A

Service and Support	On-site Warranty[Note 1]: Three years (3-3-3) limited warranty delivers three years of on-site, next business-day[Note 2] service for parts and labor and includes free telephone support[Note 3] 24 x 7. Global coverage[Note 2] ensures that any product purchased in one country and transferred to another non-restricted country will remain fully covered under the original warranty and service offering. Three-year onsite and labor are not available in all countries. To choose the right level of service for your HP product, use the HP Care Pack Services Lookup Tool at: http://www.hp.com/go/lookuptool. Additional HP Care Pack Services information by product is available at: http://www.hp.com/hps/carepack. NOTE 1: Terms and conditions may vary by country. Certain restrictions and exclusions apply. Other warranty variations may be offered in your region. NOTE 2: On-site service may be provided pursuant to a service contract between HP and an authorized HP third-party provider, and is not available in certain countries. Global service response times are based on commercially reasonable best effort and may vary by country. NOTE 3: Technical telephone support applies only to HP-configured Compaq and third-party HP-qualified hardware and software. Toll-free calling and 24 x 7 support may not be available in some countries.

Technical Specifications - System

System Unit	Dimensions (WxDxH)	20 x 8.66 x 16.02 in (including stand)	
		50.8 x 22 x 40.69 cm (including stand)	
	Weight	13.40 lbs (6.08 kg)	
	Packaging Dimensions (WxDxH)	23.19 x 9.65 x 20.35 in	
		58.9 x 24.5 x 51.7 cm	
	Shipping Weight	20.55 lbs (9.32 kg)	
	Stand-Alone Power Requirements	Electrical Ratings	100-240 V, 50/60 Hz, 2.0 A
		Idle Operating Power	Integrated graphics: 30W
		Max Operating Power	<120W
	Temperature	Operating	41° to 95° F (5° to 35° C)
		Non-operating	-22° to 149° F (-30° to 65° C)
	Relative Humidity	Operating	15% to 80% @ 26° C
	Altitude (unpressurized)	Operating	0 to 7,500 ft (0 to 2286 m)
		Non-operating	0 to 15,000 ft (0 to 4,572 m)
	Industry Standard Certifications	UL	Yes
		CSA	Yes
		FCC Compliance	Yes
		ENERGY STAR®	Yes (for Windows OS only)
		EPEAT	EPEAT Silver registered where applicable/supported* (for Windows OS only)
	Environmental	BFR/PVC Free	Yes**
		Arsenic free display glass	Yes***
		TAA Compliant	Yes

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*** Arsenic not detected using ICP or AA based methods such as EPA 200.8, EPA method 6020, EPA method 6010B or equivalent